

## UNITED STATES SEPARTMENT OF COMMERCE United States Patent and Trademark Office

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APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. 09/590,564 06/08/00 **EGAN** R0995-122B **EXAMINER** MMC2/0628 KARUNA OJANEN PAPER NUMBER IBM CORPORATION DEPT 917 **ART UNIT** 3605 HIGHWAY 52 NORTH ROCHESTER MN 55901-7829 2841 DATE MAILED: 06/28/01

Please find below and/or attached an Office communication concerning this application or proceeding.

**Commissioner of Patents and Trademarks** 

<ol> <li>Responsive to communication(s) filed on <u>08 June 2000</u>.</li> <li>This action is <b>FINAL</b>. 2b)  This action is non-final.</li> <li>Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i>, 1935 C.D. 11, 453 O.G. 213.</li> </ol>	N=		7000			
Office Action Summary    Saminer	,			plication No.	Applicant(s)	
Examiner	Office Action Summary		09	/590,564	EGAN ET AL.	
The MA/LING DATE of this communication appears on the cover sheet with the correspondence address — Period for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  Extensions of time may be available under the provisions of 3 CFR 1.13 (e). In no event, however, may a reply be timely flind after SIX (8) MONTHS from the mailing date of this communication.  If the period time may be available under the provisions of 3 CFR 1.13 (e). In no event, however, may a reply be timely flind after SIX (8) MONTHS from the mailing date of this communication.  If the period time may be available under the provision of 3 CFR 1.13 (e). In no event, however, may a reply be timely flind after the six (8) MONTHS from the mailing date of this communication.  If the period covered by the Officia later has there more flat after the mailing date of this communication, even if timely flied, may reduce any carried patient form adjustment. See 3 T CFR 1.74(e).  Status  1)			Ex	aminer	Art Unit	
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U.S. Patent and Trademark Office PTO-326 (Rev. 01-01) Application/Control Number: 09/590,564

Art Unit: 2841

## **DETAILED ACTION**

## **Drawings**

1. The informal drawings are not of sufficient quality to permit examination.

Accordingly, new drawings are required in reply to this Office action.

Applicant is given a TWO MONTH time period to submit new drawings in compliance with 37 CFR 1.81. Extensions of time may be obtained under the provisions of 37 CFR 1.136(a). Failure to timely submit new drawings will result in **ABANDONMENT** of the application. The drawings are confusing and unclear for examination. For more information, see objections made to the parent case 08/615,154. For the benefit of the applicant, these objections are set forth.

The drawings are objected to for not distinctly showing the voids, the vias, and their relative locations. Figure 1 must show the voids. Further, the depiction of (18b) and (18h) in newly submitted figure 1 is incoherent and, therefore, not approved. Figure 3 is not approved for the addition of new matter. Figure 3 depicts the size of the vias decreasing as they near the source. Further figure 3 does not show the pairs of vias in each row lined up; they are offset. This depiction is contradictory to figure 2.

Please remember to update the specification when making drawing corrections.

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jose H Alcala whose telephone number is (703) 305-9844. The examiner can normally be reached on Monday to Friday.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jeffrey Gaffin can be reached on (703) 308-3301. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 305-3431

for regular communications and (703) 305-3431 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

JHA June 25, 2001 Madf

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